

Update on Ozone Concentrations in Aiken and Edgefield Counties, SC

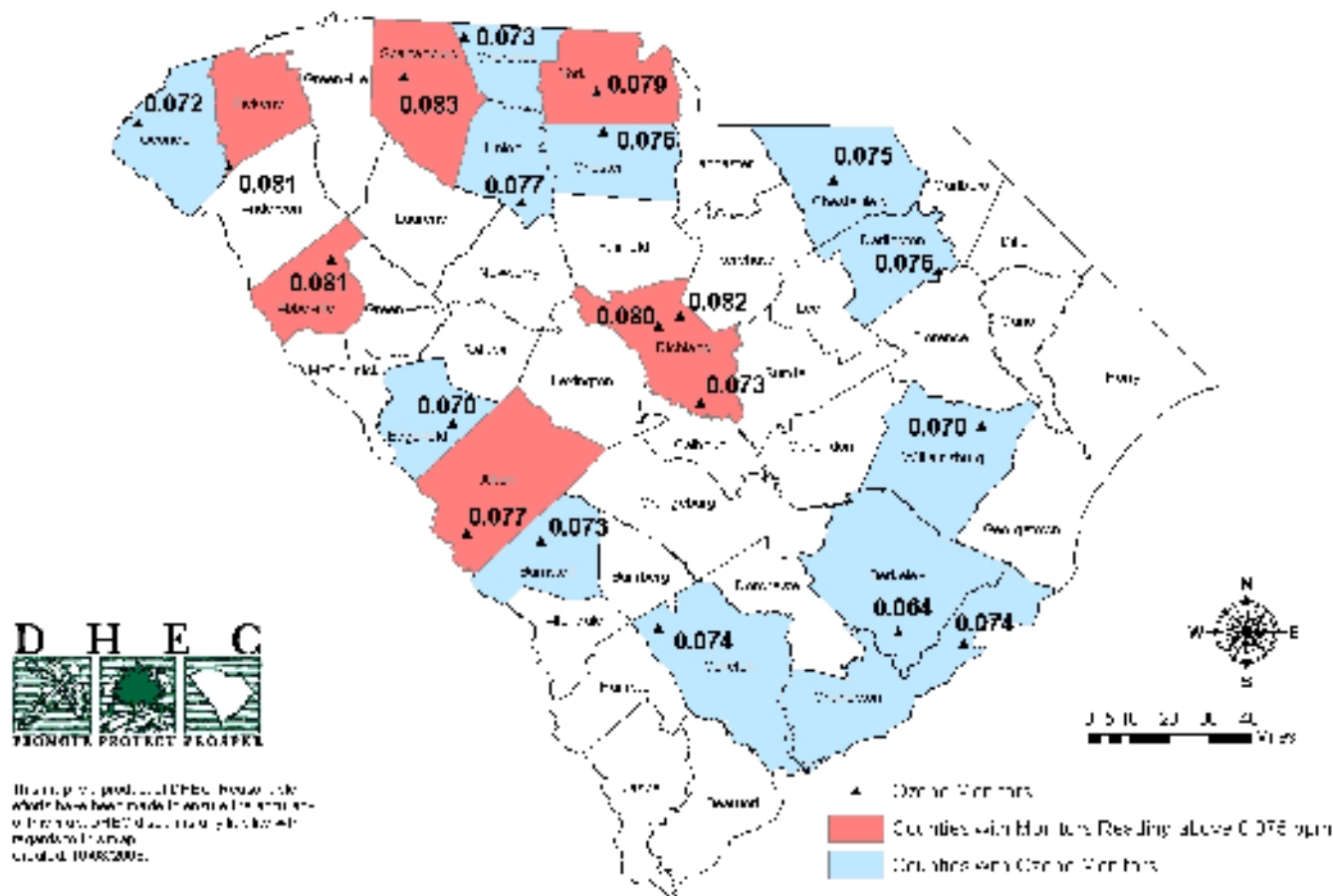
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Control

Purpose

- Purpose of this presentation is to update you on 2008 ozone concentrations in the Aiken area. By focusing on:
 - State-wide design values
 - Trends in 2008
 - Critical value for 2009
 - Historical design value trends

State-wide ozone design values based on 2005-2007 data

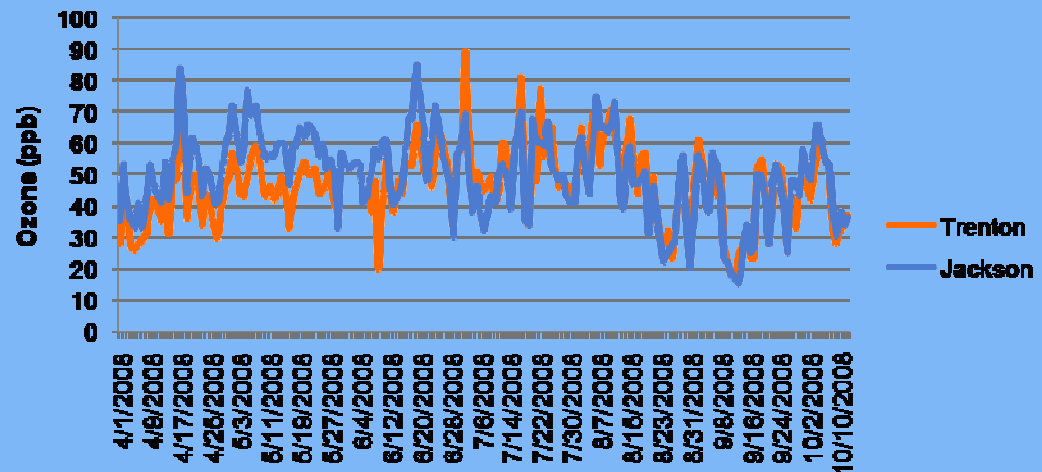
2005-2007 Design Values for Ground Level Ozone



2008 daily maximum 8-hour averages

- Jackson and Trenton have combined for six values greater than 75 ppb.

Trenton and Jackson daily maximum 8-hour ozone concentrations for 2008



2008 Ozone "Hits" and 209 Critical Value

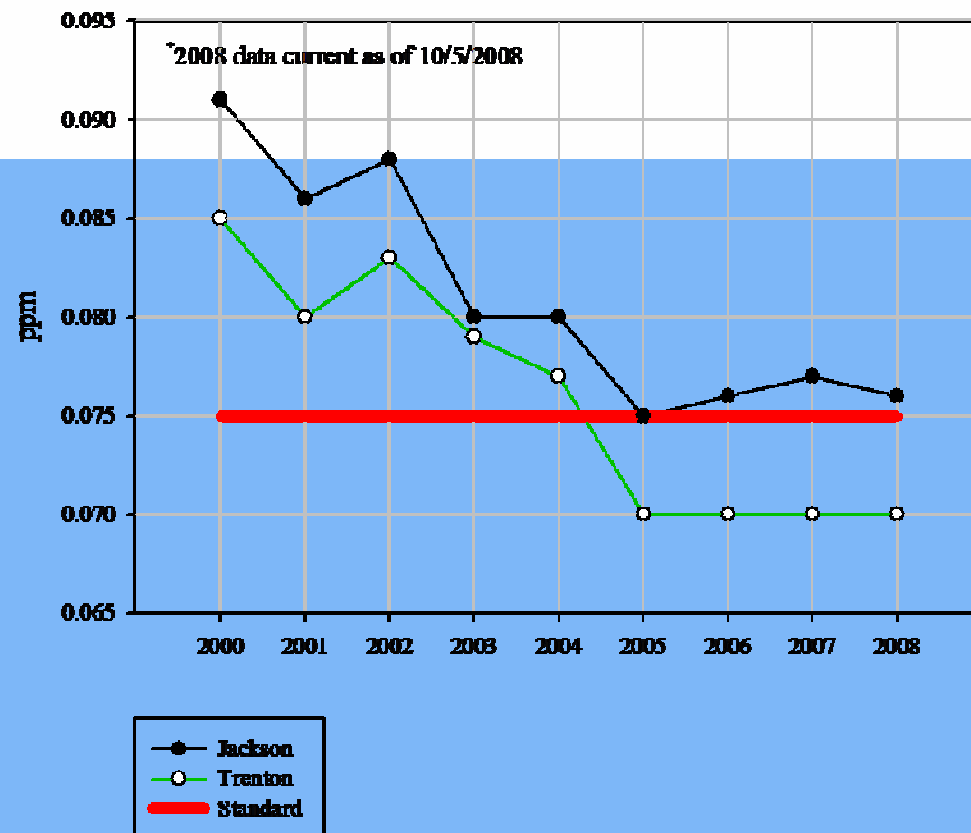
- As stated before, only six hits have occurred between the two monitors.
- The critical value in 2009 is defined as that 4th highest daily maximum 8-hour average ozone concentration that will cause the design value (2007-2009) to exceed 0.075 ppm.

Monitor	2006	2007	2008*	2008 Number of hits*	DV through:*	10/14/2008	2009 Critical Value
Due West	70	83	74	3	78		71
Trenton	69	73	71	3	70		84
Jackson	73	82	73	3	76		71
Cape Romain	78	69	71	0	72		88
Bushy Park	64	60	66	1	63		102
Cowpens	76	67	79	5	74		82
Chesterfield	74	73	72	1	73		83
Ashton	78	72	67	0	72		89
Pee Dee	76	73	76	5	75		79
Long Creek	65	76	72	2	71		80
Clemson	81	81	80	6	80		67
Congaree Bluff	72	71	72	0	71		85
Parklane	82	77	77	7	78		74
Sandhill	78	84	77	4	79		67
N.Spartanburg	85	83	85	12	84		60
York	78	80	75	3	77		73
Big Creek			68	1			
Famoda Farms			65	1			
*=based on unofficial data							

Ozone Design Value trends: 2000 - 2008

- Design values show sharp decline from 2000 levels.
- Jackson had a small increase in 2006 and 2007, but so far 2008 values are lower.
- Trenton has had stable ozone design values since 2005.

**Aiken/Edgefield Ozone Design Values
2000 - 2008***



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